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Exterior Scene 1 / **Planning data**

81.06 m

-13.06

-13.06   118.06 m

Light loss factor: 0.80, ULR (Upward Light Ratio): 8.5%   Scale 1:938

Luminaire Parts List

| No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	192	LS-ARE1400-15de LED Arena Light 1400Watt 15de (1.000)	166773	168000	1400.0
			Total: 32020401	Total: 32256000	268800.0

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Exterior Scene 1 / **Luminaire parts list**

192 Pieces LS-ARE1400-15de LED Arena Light 1400Watt
15de
Article No.: LS-ARE1400-15de
Luminous flux (Luminaire): 166773 lm
Luminous flux (Lamps): 168000 lm
Luminaire Wattage: 1400.0 W
Luminaire classification according to CIE: 98
CIE flux code: 87 95 99 98 99
Fitting: 1 x LED - 1400.00 W (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.
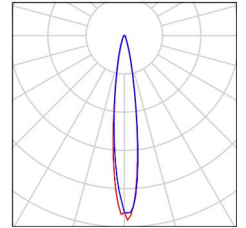
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Exterior Scene 1 / **Luminaires (layout plan)**

Scale 1 : 938

Luminaire Parts List

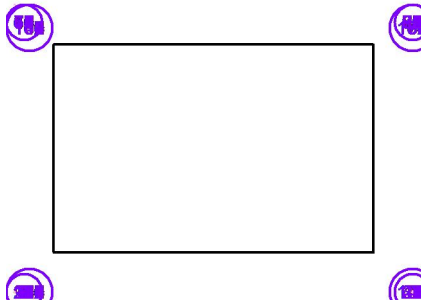| No.	Pieces	Designation
1	192	LS-ARE1400-15de LED Arena Light 1400Watt 15de

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Exterior Scene 1 / **Luminaires (coordinates list)**

LS-ARE1400-15de LED Arena Light 1400Watt 15de
166773 lm, 1400.0 W, 1 x 1 x LED - 1400.00 W (Correction Factor 1.000).

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-13.000	-13.000	40.000	35.5	0.0	-45.8
2	-13.000	-13.000	40.000	61.7	0.0	-19.4
3	-13.000	-13.000	40.000	62.7	0.0	-25.7
4	-13.000	-13.000	40.000	64.0	0.0	-31.7
5	-13.000	-13.000	40.000	65.4	0.0	-37.0
6	-13.000	-13.000	40.000	66.8	0.0	-41.9
7	-13.000	-13.000	40.000	68.2	0.0	-46.1
8	-13.000	-13.000	40.000	69.5	0.0	-49.7
9	-13.000	-13.000	40.000	70.6	0.0	-52.7
10	-13.000	-13.000	40.000	71.6	0.0	-54.8
11	-13.000	-13.000	40.000	71.8	0.0	-58.8
12	-13.000	-13.000	40.000	61.0	0.0	-13.8
13	-13.000	-13.000	40.000	70.5	0.0	-66.8
14	-13.000	-13.000	40.000	69.9	0.0	-70.5
15	-13.000	-13.000	40.000	69.3	0.0	-75.4
16	-13.000	-13.000	40.000	72.3	0.0	-56.6
17	-13.000	-13.000	40.000	69.6	0.0	-79.6
18	-13.000	-13.000	40.000	71.1	0.0	-62.4
19	-13.000	-13.000	40.000	65.6	0.0	-77.7
20	-13.000	-13.000	40.000	48.1	0.0	-65.3
21	-13.000	-13.000	40.000	50.9	0.0	-22.8
22	-13.000	-13.000	40.000	41.4	0.0	-33.8
23	-13.000	-13.000	40.000	59.8	0.0	-73.7
24	-13.000	-13.000	40.000	60.1	0.0	-15.3
25	118.000	-13.000	40.000	35.5	0.0	45.8
26	118.000	-13.000	40.000	61.7	0.0	19.4
27	118.000	-13.000	40.000	62.7	0.0	25.7
28	118.000	-13.000	40.000	64.0	0.0	31.7

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Exterior Scene 1 / Luminaires (coordinates list)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	118.000	-13.000	40.000	65.4	0.0	37.0
30	118.000	-13.000	40.000	66.8	0.0	41.9
31	118.000	-13.000	40.000	68.2	0.0	46.1
32	118.000	-13.000	40.000	69.5	0.0	49.7
33	118.000	-13.000	40.000	70.6	0.0	52.7
34	118.000	-13.000	40.000	71.6	0.0	54.8
35	118.000	-13.000	40.000	71.8	0.0	58.8
36	118.000	-13.000	40.000	61.0	0.0	13.8
37	118.000	-13.000	40.000	70.5	0.0	66.8
38	118.000	-13.000	40.000	69.9	0.0	70.5
39	118.000	-13.000	40.000	69.3	0.0	75.4
40	118.000	-13.000	40.000	72.3	0.0	56.6
41	118.000	-13.000	40.000	69.6	0.0	79.6
42	118.000	-13.000	40.000	71.1	0.0	62.4
43	118.000	-13.000	40.000	65.6	0.0	77.7
44	118.000	-13.000	40.000	48.1	0.0	65.3
45	118.000	-13.000	40.000	50.9	0.0	22.8
46	118.000	-13.000	40.000	41.4	0.0	33.8
47	118.000	-13.000	40.000	59.8	0.0	73.7
48	118.000	-13.000	40.000	60.1	0.0	15.3
49	-13.000	81.000	40.000	35.5	0.0	-134.2
50	-13.000	81.000	40.000	61.7	0.0	-160.6
51	-13.000	81.000	40.000	62.7	0.0	-154.3
52	-13.000	81.000	40.000	64.0	0.0	-148.3
53	-13.000	81.000	40.000	65.4	0.0	-143.0
54	-13.000	81.000	40.000	66.8	0.0	-138.1
55	-13.000	81.000	40.000	68.2	0.0	-133.9
56	-13.000	81.000	40.000	69.5	0.0	-130.3
57	-13.000	81.000	40.000	70.6	0.0	-127.3
58	-13.000	81.000	40.000	71.6	0.0	-125.2
59	-13.000	81.000	40.000	71.8	0.0	-121.2
60	-13.000	81.000	40.000	61.0	0.0	-166.2
61	-13.000	81.000	40.000	70.5	0.0	-113.2
62	-13.000	81.000	40.000	69.9	0.0	-109.5
63	-13.000	81.000	40.000	69.3	0.0	-104.6
64	-13.000	81.000	40.000	72.3	0.0	-123.4
65	-13.000	81.000	40.000	69.6	0.0	-100.4
66	-13.000	81.000	40.000	71.1	0.0	-117.6

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Exterior Scene 1 / Luminaires (coordinates list)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
67	-13.000	81.000	40.000	65.6	0.0	-102.3
68	-13.000	81.000	40.000	48.1	0.0	-114.7
69	-13.000	81.000	40.000	50.9	0.0	-157.2
70	-13.000	81.000	40.000	41.4	0.0	-146.2
71	-13.000	81.000	40.000	59.8	0.0	-106.3
72	-13.000	81.000	40.000	60.1	0.0	-164.7
73	118.000	81.000	40.000	35.5	0.0	134.2
74	118.000	81.000	40.000	61.7	0.0	160.6
75	118.000	81.000	40.000	62.7	0.0	154.3
76	118.000	81.000	40.000	64.0	0.0	148.3
77	118.000	81.000	40.000	65.4	0.0	143.0
78	118.000	81.000	40.000	66.8	0.0	138.1
79	118.000	81.000	40.000	68.2	0.0	133.9
80	118.000	81.000	40.000	69.5	0.0	130.3
81	118.000	81.000	40.000	70.6	0.0	127.3
82	118.000	81.000	40.000	71.6	0.0	125.2
83	118.000	81.000	40.000	71.8	0.0	121.2
84	118.000	81.000	40.000	61.0	0.0	166.2
85	118.000	81.000	40.000	70.5	0.0	113.2
86	118.000	81.000	40.000	69.9	0.0	109.5
87	118.000	81.000	40.000	69.3	0.0	104.6
88	118.000	81.000	40.000	72.3	0.0	123.4
89	118.000	81.000	40.000	69.6	0.0	100.4
90	118.000	81.000	40.000	71.1	0.0	117.6
91	118.000	81.000	40.000	65.6	0.0	102.3
92	118.000	81.000	40.000	48.1	0.0	114.7
93	118.000	81.000	40.000	50.9	0.0	157.2
94	118.000	81.000	40.000	41.4	0.0	146.2
95	118.000	81.000	40.000	59.8	0.0	106.3
96	118.000	81.000	40.000	60.1	0.0	164.7
97	-13.000	-13.000	40.000	35.5	0.0	-45.8
98	-13.000	-13.000	40.000	61.7	0.0	-19.4
99	-13.000	-13.000	40.000	62.7	0.0	-25.7
100	-13.000	-13.000	40.000	64.0	0.0	-31.7
101	-13.000	-13.000	40.000	65.4	0.0	-37.0
102	-13.000	-13.000	40.000	66.8	0.0	-41.9
103	-13.000	-13.000	40.000	68.2	0.0	-46.1
104	-13.000	-13.000	40.000	69.5	0.0	-49.7

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Exterior Scene 1 / **Luminaires (coordinates list)**

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
105	-13.000	-13.000	40.000	70.6	0.0	-52.7
106	-13.000	-13.000	40.000	71.6	0.0	-54.8
107	-13.000	-13.000	40.000	71.8	0.0	-58.8
108	-13.000	-13.000	40.000	61.0	0.0	-13.8
109	-13.000	-13.000	40.000	70.5	0.0	-66.8
110	-13.000	-13.000	40.000	69.9	0.0	-70.5
111	-13.000	-13.000	40.000	69.3	0.0	-75.4
112	-13.000	-13.000	40.000	72.3	0.0	-56.6
113	-13.000	-13.000	40.000	69.6	0.0	-79.6
114	-13.000	-13.000	40.000	71.1	0.0	-62.4
115	-13.000	-13.000	40.000	65.6	0.0	-77.7
116	-13.000	-13.000	40.000	48.1	0.0	-65.3
117	-13.000	-13.000	40.000	50.9	0.0	-22.8
118	-13.000	-13.000	40.000	41.4	0.0	-33.8
119	-13.000	-13.000	40.000	59.8	0.0	-73.7
120	-13.000	-13.000	40.000	60.1	0.0	-15.3
121	118.000	-13.000	40.000	35.5	0.0	45.8
122	118.000	-13.000	40.000	61.7	0.0	19.4
123	118.000	-13.000	40.000	62.7	0.0	25.7
124	118.000	-13.000	40.000	64.0	0.0	31.7
125	118.000	-13.000	40.000	65.4	0.0	37.0
126	118.000	-13.000	40.000	66.8	0.0	41.9
127	118.000	-13.000	40.000	68.2	0.0	46.1
128	118.000	-13.000	40.000	69.5	0.0	49.7
129	118.000	-13.000	40.000	70.6	0.0	52.7
130	118.000	-13.000	40.000	71.6	0.0	54.8
131	118.000	-13.000	40.000	71.8	0.0	58.8
132	118.000	-13.000	40.000	61.0	0.0	13.8
133	118.000	-13.000	40.000	70.5	0.0	66.8
134	118.000	-13.000	40.000	69.9	0.0	70.5
135	118.000	-13.000	40.000	69.3	0.0	75.4
136	118.000	-13.000	40.000	72.3	0.0	56.6
137	118.000	-13.000	40.000	69.6	0.0	79.6
138	118.000	-13.000	40.000	71.1	0.0	62.4
139	118.000	-13.000	40.000	65.6	0.0	77.7
140	118.000	-13.000	40.000	48.1	0.0	65.3
141	118.000	-13.000	40.000	50.9	0.0	22.8
142	118.000	-13.000	40.000	41.4	0.0	33.8

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Exterior Scene 1 / Luminaires (coordinates list)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
143	118.000	-13.000	40.000	59.8	0.0	73.7
144	118.000	-13.000	40.000	60.1	0.0	15.3
145	-13.000	81.000	40.000	35.5	0.0	-134.2
146	-13.000	81.000	40.000	61.7	0.0	-160.6
147	-13.000	81.000	40.000	62.7	0.0	-154.3
148	-13.000	81.000	40.000	64.0	0.0	-148.3
149	-13.000	81.000	40.000	65.4	0.0	-143.0
150	-13.000	81.000	40.000	66.8	0.0	-138.1
151	-13.000	81.000	40.000	68.2	0.0	-133.9
152	-13.000	81.000	40.000	69.5	0.0	-130.3
153	-13.000	81.000	40.000	70.6	0.0	-127.3
154	-13.000	81.000	40.000	71.6	0.0	-125.2
155	-13.000	81.000	40.000	71.8	0.0	-121.2
156	-13.000	81.000	40.000	61.0	0.0	-166.2
157	-13.000	81.000	40.000	70.5	0.0	-113.2
158	-13.000	81.000	40.000	69.9	0.0	-109.5
159	-13.000	81.000	40.000	69.3	0.0	-104.6
160	-13.000	81.000	40.000	72.3	0.0	-123.4
161	-13.000	81.000	40.000	69.6	0.0	-100.4
162	-13.000	81.000	40.000	71.1	0.0	-117.6
163	-13.000	81.000	40.000	65.6	0.0	-102.3
164	-13.000	81.000	40.000	48.1	0.0	-114.7
165	-13.000	81.000	40.000	50.9	0.0	-157.2
166	-13.000	81.000	40.000	41.4	0.0	-146.2
167	-13.000	81.000	40.000	59.8	0.0	-106.3
168	-13.000	81.000	40.000	60.1	0.0	-164.7
169	118.000	81.000	40.000	35.5	0.0	134.2
170	118.000	81.000	40.000	61.7	0.0	160.6
171	118.000	81.000	40.000	62.7	0.0	154.3
172	118.000	81.000	40.000	64.0	0.0	148.3
173	118.000	81.000	40.000	65.4	0.0	143.0
174	118.000	81.000	40.000	66.8	0.0	138.1
175	118.000	81.000	40.000	68.2	0.0	133.9
176	118.000	81.000	40.000	69.5	0.0	130.3
177	118.000	81.000	40.000	70.6	0.0	127.3
178	118.000	81.000	40.000	71.6	0.0	125.2
179	118.000	81.000	40.000	71.8	0.0	121.2
180	118.000	81.000	40.000	61.0	0.0	166.2

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Exterior Scene 1 / **Luminaires (coordinates list)**

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
181	118.000	81.000	40.000	70.5	0.0	113.2
182	118.000	81.000	40.000	69.9	0.0	109.5
183	118.000	81.000	40.000	69.3	0.0	104.6
184	118.000	81.000	40.000	72.3	0.0	123.4
185	118.000	81.000	40.000	69.6	0.0	100.4
186	118.000	81.000	40.000	71.1	0.0	117.6
187	118.000	81.000	40.000	65.6	0.0	102.3
188	118.000	81.000	40.000	48.1	0.0	114.7
189	118.000	81.000	40.000	50.9	0.0	157.2
190	118.000	81.000	40.000	41.4	0.0	146.2
191	118.000	81.000	40.000	59.8	0.0	106.3
192	118.000	81.000	40.000	60.1	0.0	164.7

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Exterior Scene 1 / Sport Sites (layout plan)

81.06 m

34.00

-13.06

-13.06   52.50   118.06 m
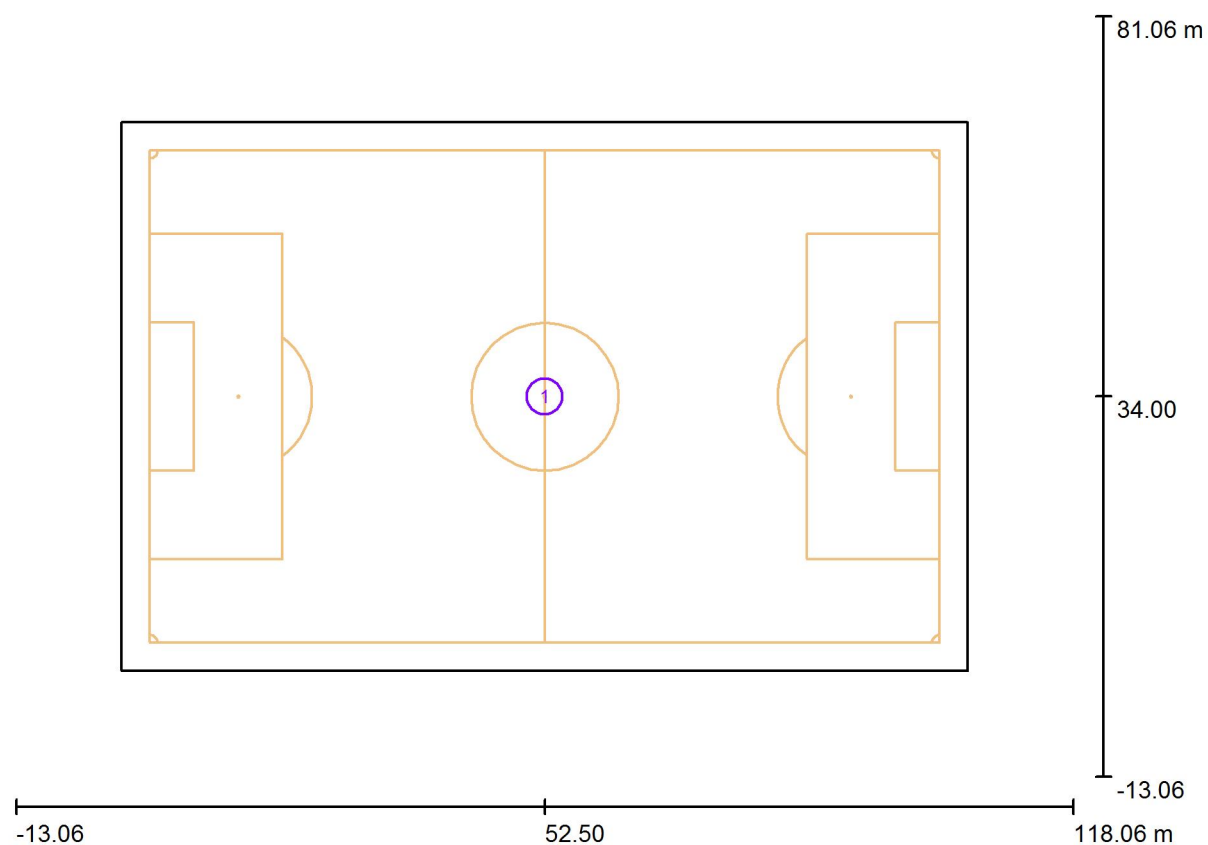
Scale 1 : 938

Sport Site Parts List

No.	Pieces	Designation
1	1	Soccer Field

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Exterior Scene 1 / TV Cameras (Coordinates List)
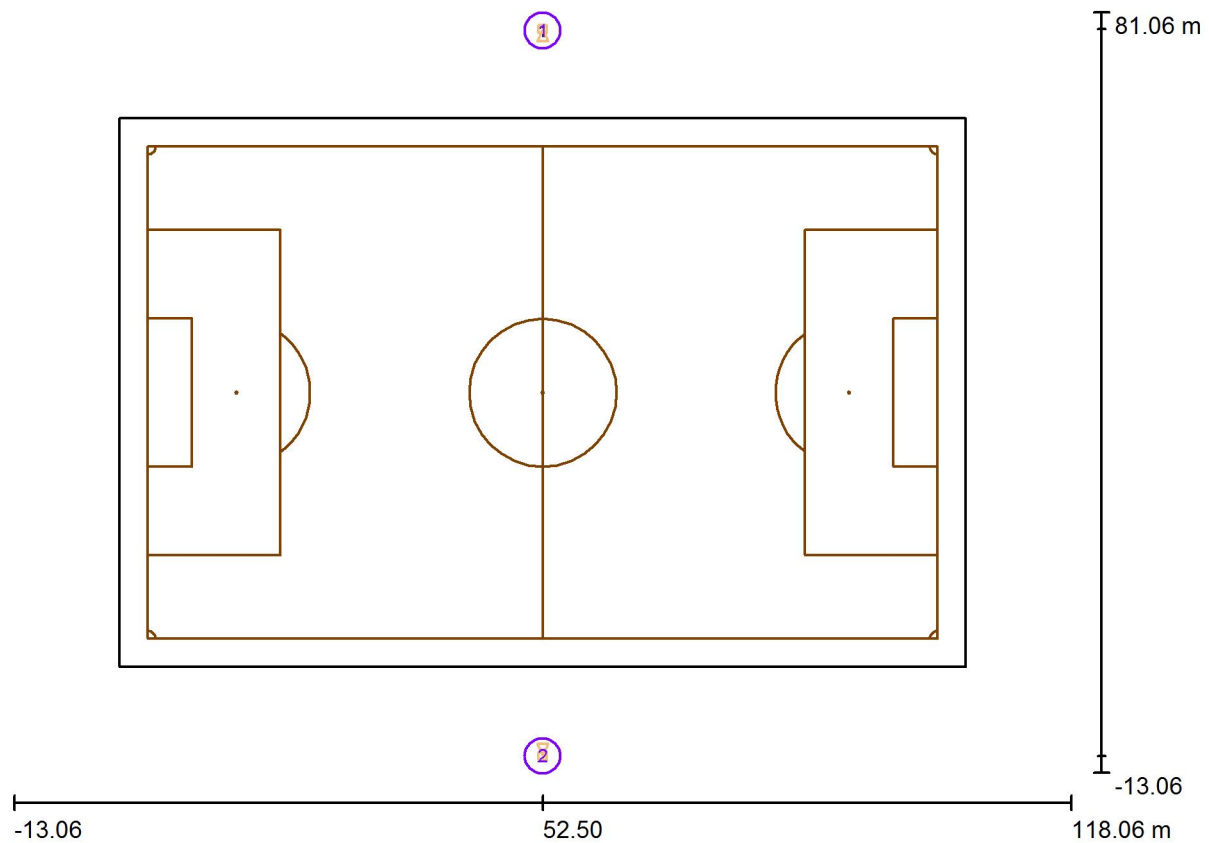
Scale 1 : 938

List of the TV Cameras

No.	Designation	Position [m]		
		X	Y	Z
1	Main TV Camera	52.500	79.000	11.000
2	2nd TV Camera	52.500	-11.000	11.000

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Exterior Scene 1 / 3D Rendering

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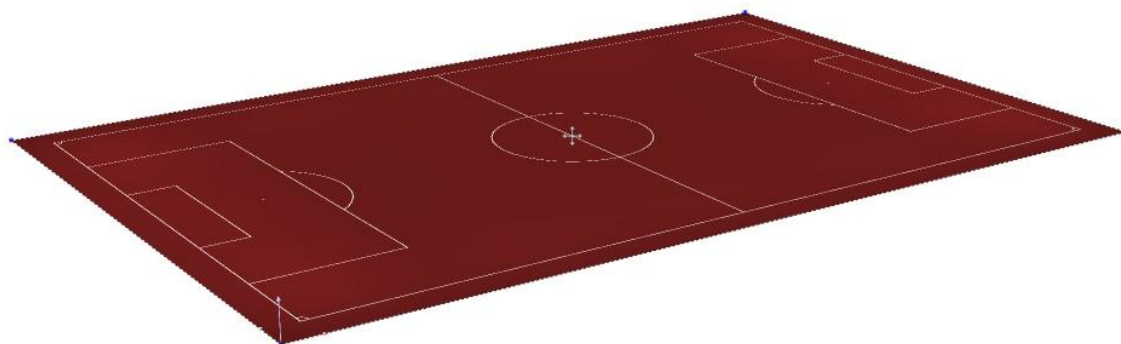
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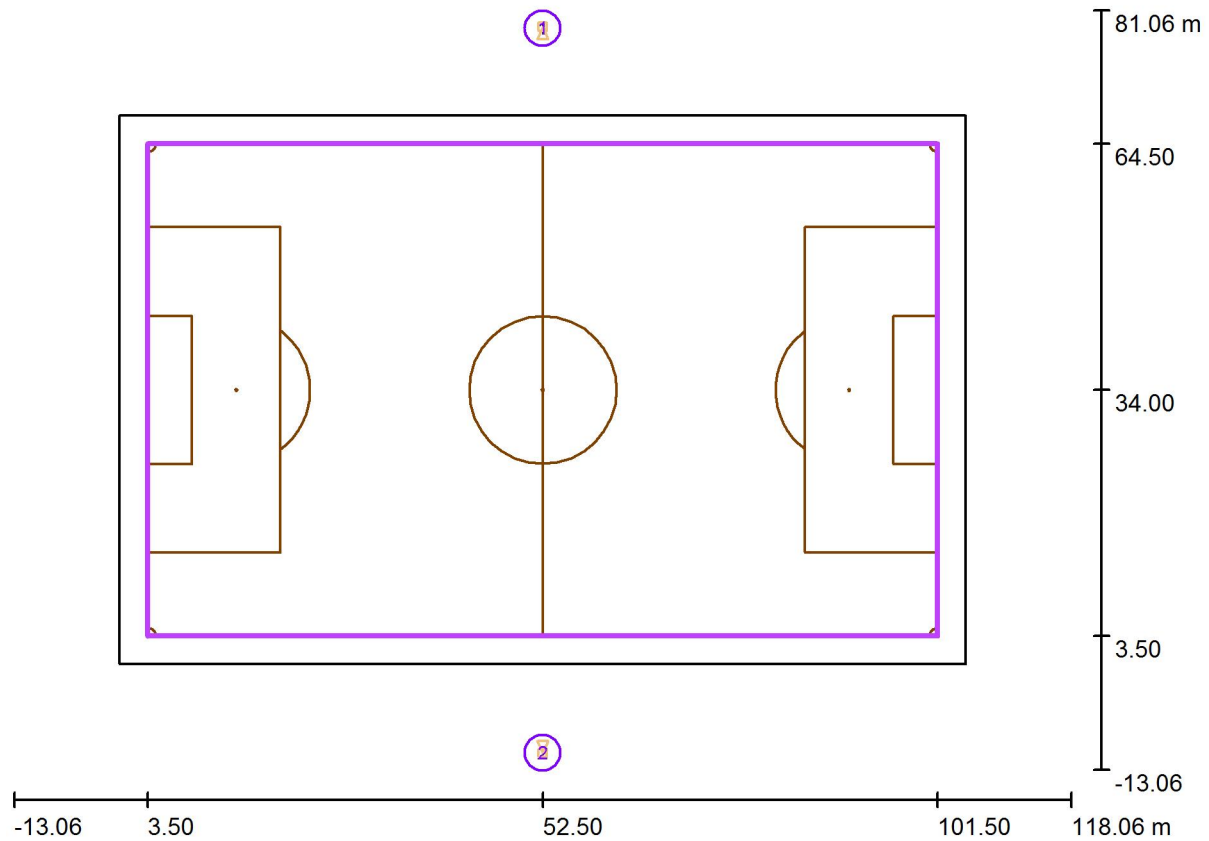Fax
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Exterior Scene 1 / **False Color Rendering**

| 0 | 250 | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | lx |

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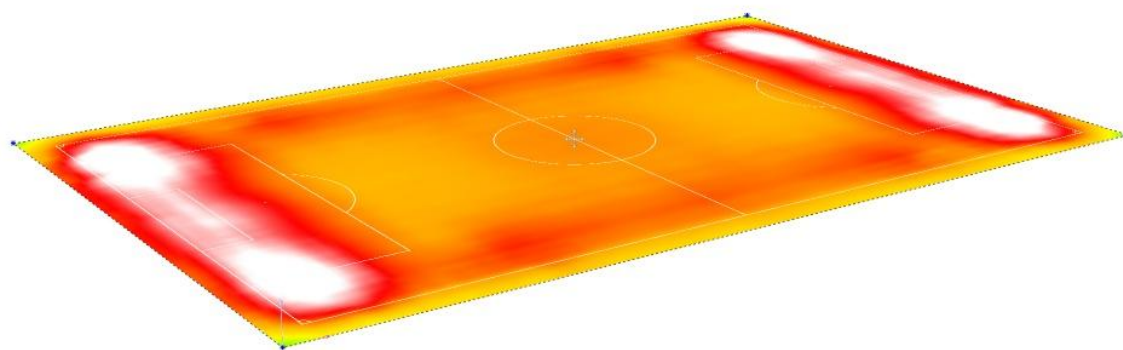
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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / **Summary**

Scale 1 : 938

Position: (52.500 m, 34.000 m, 0.000 m)
Size: (98.000 m, 61.000 m)
Rotation: (0.0°, 0.0°, 0.0°)
Type: Normal, Grid: 19 x 11 Points
Belongs to the following sport arena: Soccer Field 1

Results overview

No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min}/E_{max}	$E_{h\,m}/E_m$	H [m]	Camera
1	horizontal	1650	1462	2169	0.89	0.67	/	0.000	/
2	Camera	1391	987	1879	0.71	0.53	1.19	1.000	1
3	Camera	1382	968	1871	0.70	0.52	1.19	1.000	2
4	vertical, perpendicular to sideline 1	1193	652	1682	0.55	0.39	1.38	1.000	/
5	vertical, perpendicular to sideline 2	1426	1000	1764	0.70	0.57	1.16	1.000	/
6	vertical, perpendicular to sideline 3	1190	652	1682	0.55	0.39	1.39	1.000	/
7	vertical, perpendicular to sideline 4	1426	1000	1764	0.70	0.57	1.16	1.000	/

$E_{h\,m}/E_m$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Horizontal)
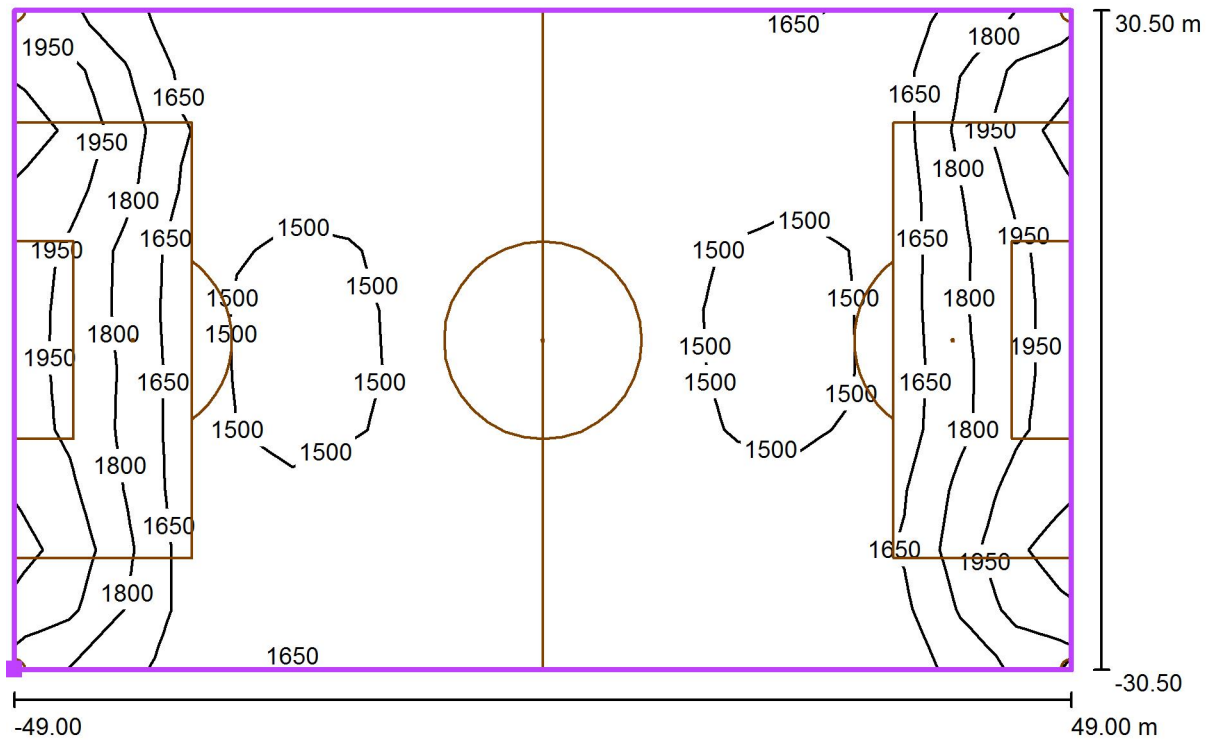
Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
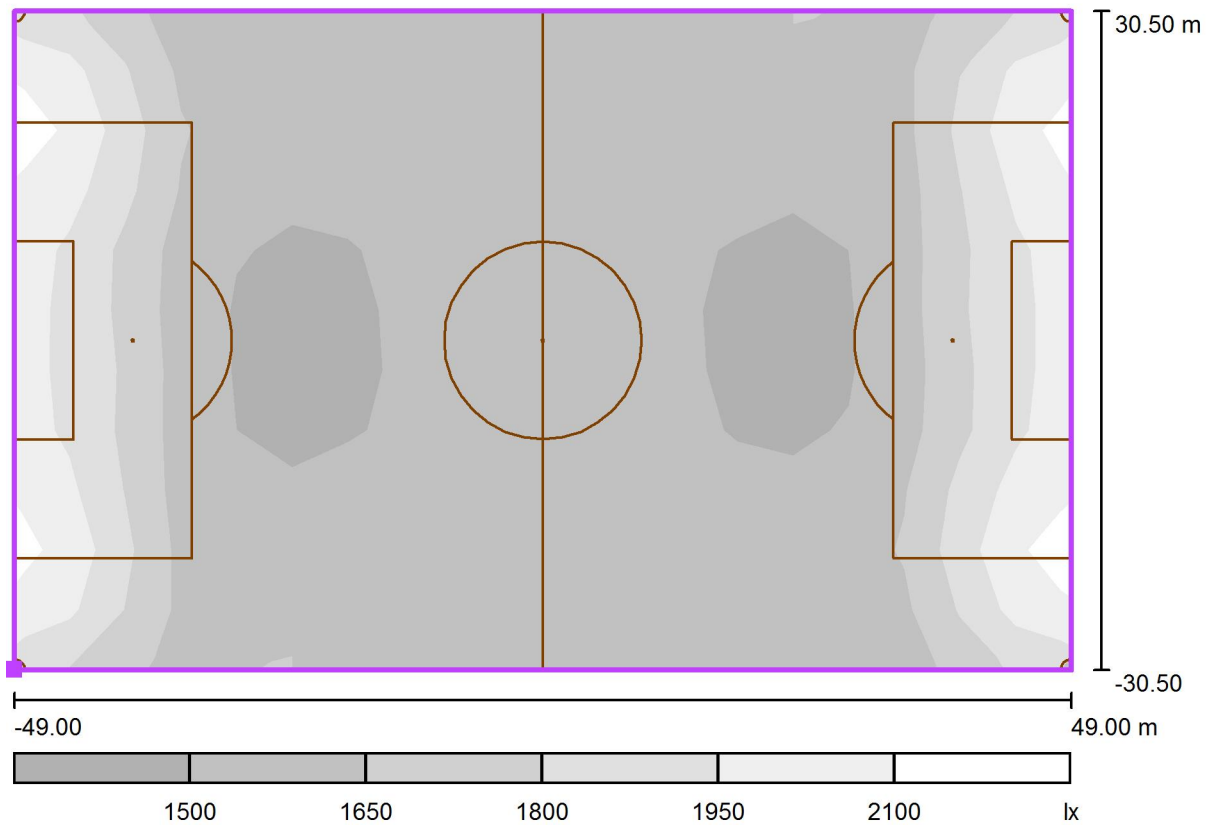
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1650	1462	2169	0.89	0.67

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Horizontal)

30.50 m

-30.50

-49.00   49.00 m

| | 1500 | 1650 | 1800 | 1950 | 2100 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m,
0.000 m)

Grid: 19 x 11 Points

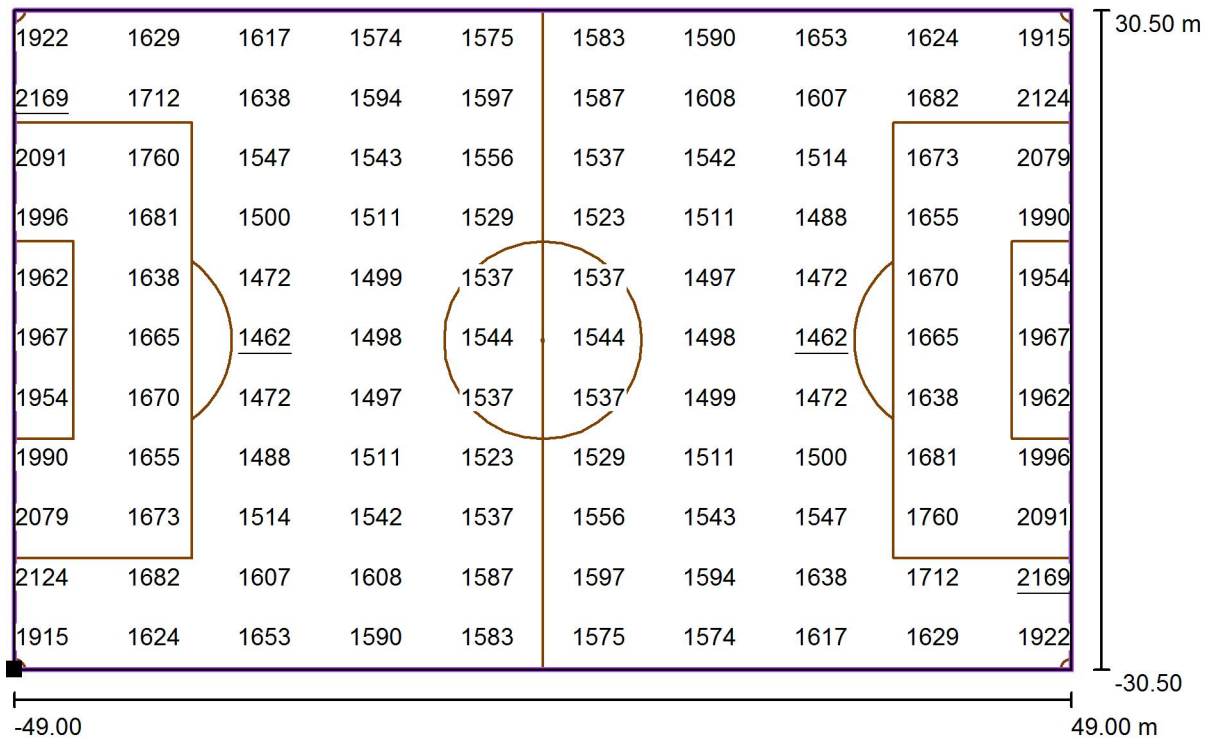| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1650	1462	2169	0.89	0.67

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / **Value Chart (E, Horizontal)**

1922	1629	1617	1574	1575	1583	1590	1653	1624	1915
2169	1712	1638	1594	1597	1587	1608	1607	1682	2124
2091	1760	1547	1543	1556	1537	1542	1514	1673	2079
1996	1681	1500	1511	1529	1523	1511	1488	1655	1990
1962	1638	1472	1499	1537	1537	1497	1472	1670	1954
1967	1665	1462	1498	1544	1544	1498	1462	1665	1967
1954	1670	1472	1497	1537	1537	1499	1472	1638	1962
1990	1655	1488	1511	1523	1529	1511	1500	1681	1996
2079	1673	1514	1542	1537	1556	1543	1547	1760	2091
2124	1682	1607	1608	1587	1597	1594	1638	1712	2169
1915	1624	1653	1590	1583	1575	1574	1617	1629	1922

30.50 m

-30.50

-49.00   49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1650	1462	2169	0.89	0.67

DIALux

14.09.2017

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / **Table (E, Horizontal)**
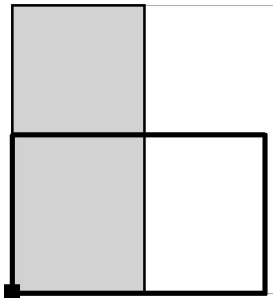
■ Current Selection
☐ Further Selections

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

58.227	1922	1892	1629	1554	1617	1607	1574	1559	1575	1588
52.682	<u>2169</u>	2020	1712	1598	1638	1621	1594	1577	1597	1610
47.136	2091	2023	1760	1580	1547	1540	1543	1550	1556	1552
41.591	1996	1899	1681	1541	1500	1492	1511	1529	1529	1535
36.045	1962	1841	1638	1514	1472	1477	1499	1523	1537	1544
30.500	1967	1897	1665	1511	<u>1462</u>	1469	1498	1525	1544	1550
24.955	1954	1877	1670	1519	1472	1476	1497	1518	1537	1544
19.409	1990	1880	1655	1522	1488	1493	1511	1520	1523	1535
13.864	2079	1967	1673	1522	1514	1548	1542	1538	1537	1552
8.318	2124	2022	1682	1566	1607	1645	1608	1586	1587	1610
2.773	1915	1856	1624	1605	1653	1637	1590	1575	1583	1588
m	**2.579**	**7.737**	**12.895**	**18.053**	**23.211**	**28.368**	**33.526**	**38.684**	**43.842**	**49.000**

Attention: The coordinates refer to the image above. Values in Lux.

Grid: 19 x 11 Points
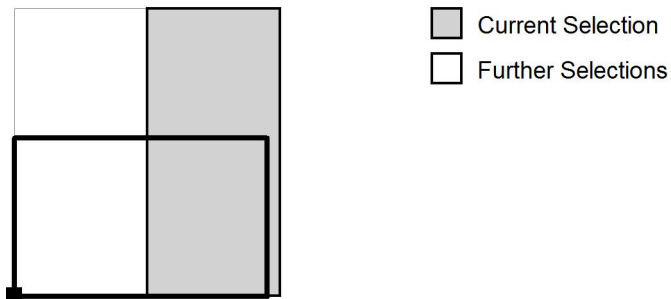
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1650	1462	2169	0.89	0.67

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / **Table (E, Horizontal)**

Current Selection
Further Selections

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

58.227	1583	1575	1590	1637	1653	1605	1624	1856	1915
52.682	1587	1586	1608	1645	1607	1566	1682	2022	2124
47.136	1537	1538	1542	1548	1514	1522	1673	1967	2079
41.591	1523	1520	1511	1493	1488	1522	1655	1880	1990
36.045	1537	1518	1497	1476	1472	1519	1670	1877	1954
30.500	1544	1525	1498	1469	1462	1511	1665	1897	1967
24.955	1537	1523	1499	1477	1472	1514	1638	1841	1962
19.409	1529	1529	1511	1492	1500	1541	1681	1899	1996
13.864	1556	1550	1543	1540	1547	1580	1760	2023	2091
8.318	1597	1577	1594	1621	1638	1598	1712	2020	2169
2.773	1575	1559	1574	1607	1617	1554	1629	1892	1922
m	**54.158**	**59.316**	**64.474**	**69.632**	**74.789**	**79.947**	**85.105**	**90.263**	**95.421**

Attention: The coordinates refer to the image above. Values in Lux.

Grid: 19 x 11 Points

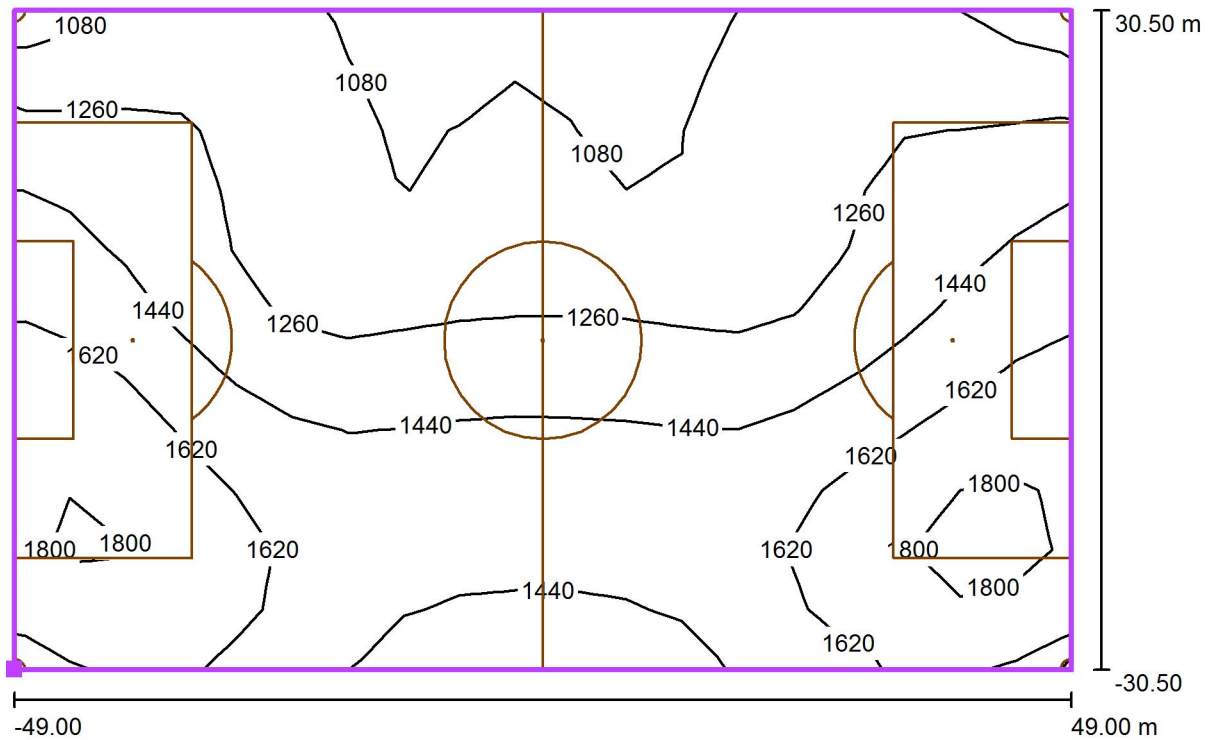| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1650	1462	2169	0.89	0.67

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Camera)

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
Camera Position: (52.500 m, 79.000 m, 11.000 m)

Grid: 19 x 11 Points

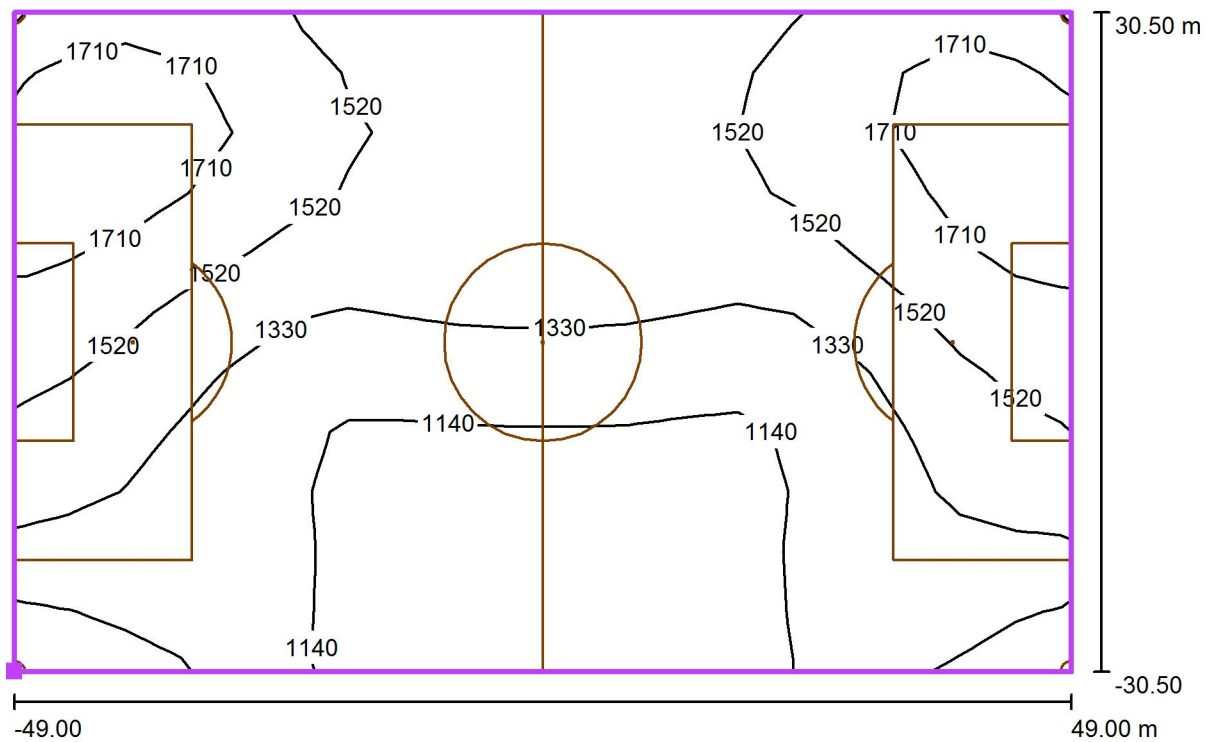| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1391	987	1879	0.71	0.53

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Camera)

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
Camera Position: (52.500 m, -11.000 m, 11.000 m)

Grid: 19 x 11 Points
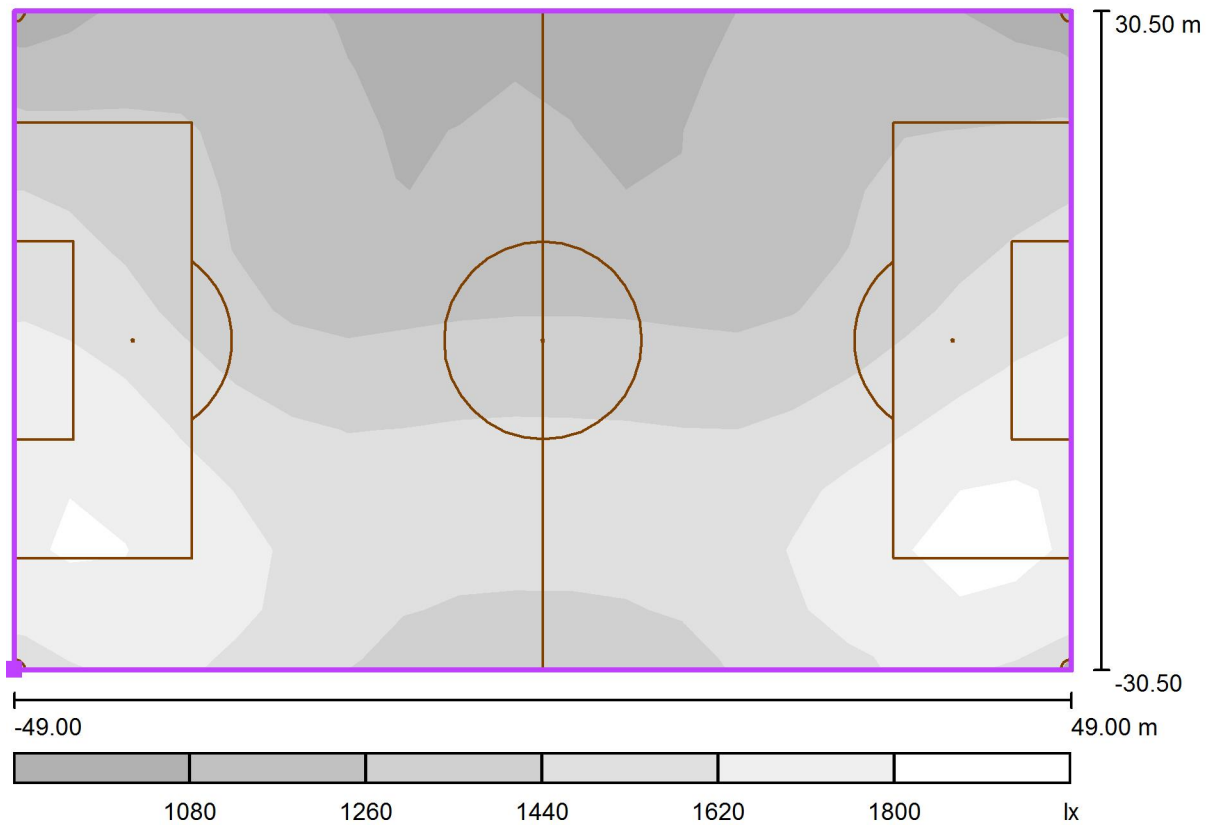
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1382	968	1871	0.70	0.52

Operator
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e-Mail

Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Camera)

30.50 m

-30.50

-49.00

49.00 m

| 1080 | 1260 | 1440 | 1620 | 1800 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
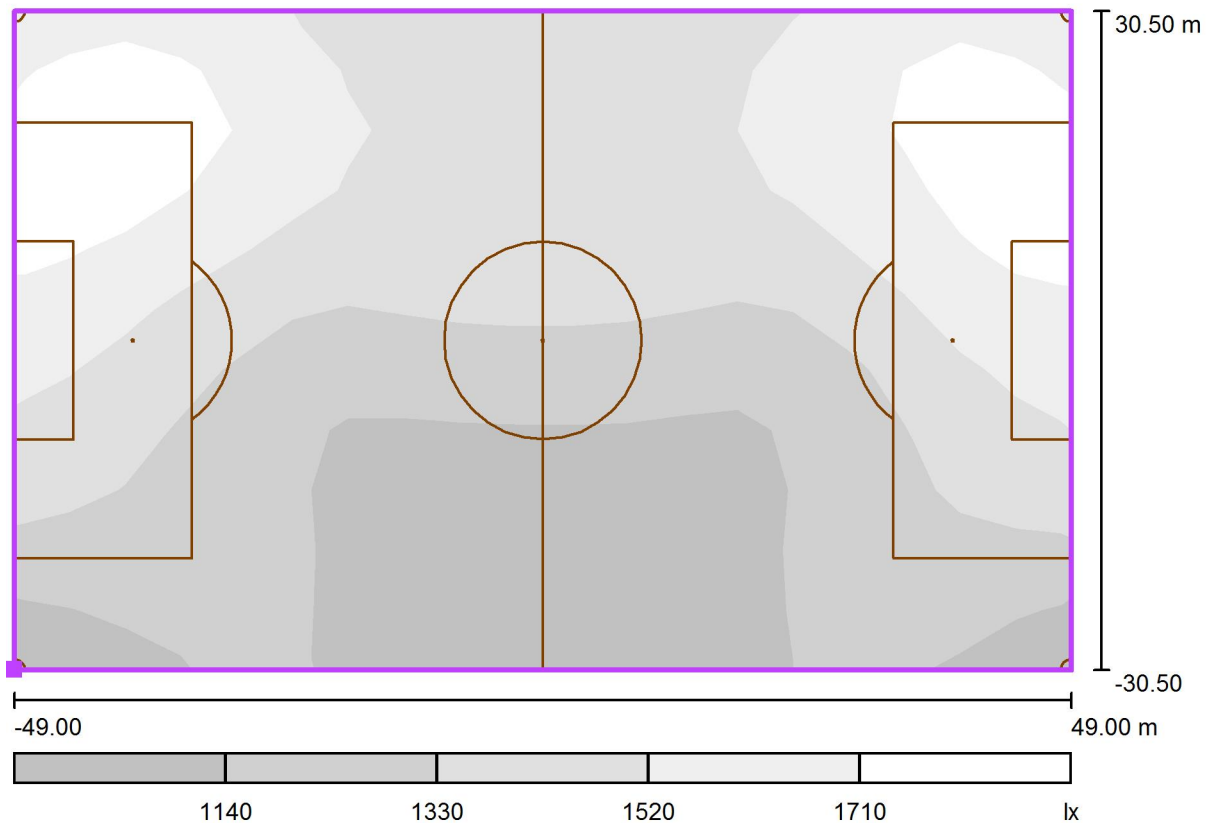Camera Position: (52.500 m, 79.000 m, 11.000 m)

Grid: 19 x 11 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1391	987	1879	0.71	0.53

DIALux

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Camera)

30.50 m

-30.50

-49.00   49.00 m

| | 1140 | 1330 | 1520 | 1710 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
Camera Position: (52.500 m, -11.000 m, 11.000 m)

Grid: 19 x 11 Points
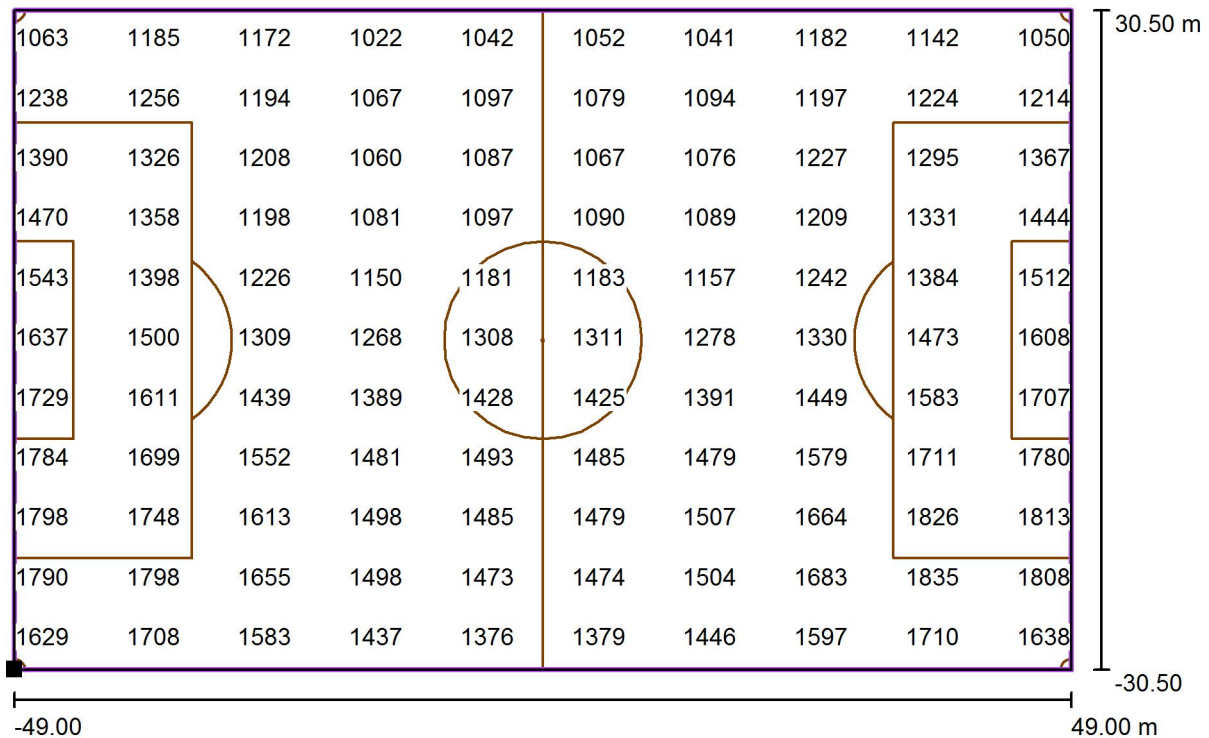
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1382	968	1871	0.70	0.52

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Value Chart (E, Camera)

1063	1185	1172	1022	1042	1052	1041	1182	1142	1050	30.50 m
1238	1256	1194	1067	1097	1079	1094	1197	1224	1214	
1390	1326	1208	1060	1087	1067	1076	1227	1295	1367	
1470	1358	1198	1081	1097	1090	1089	1209	1331	1444	
1543	1398	1226	1150	1181	1183	1157	1242	1384	1512	
1637	1500	1309	1268	1308	1311	1278	1330	1473	1608	
1729	1611	1439	1389	1428	1425	1391	1449	1583	1707	
1784	1699	1552	1481	1493	1485	1479	1579	1711	1780	
1798	1748	1613	1498	1485	1479	1507	1664	1826	1813	
1790	1798	1655	1498	1473	1474	1504	1683	1835	1808	
1629	1708	1583	1437	1376	1379	1446	1597	1710	1638	-30.50

-49.00   49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
Camera Position: (52.500 m, 79.000 m, 11.000 m)

Grid: 19 x 11 Points
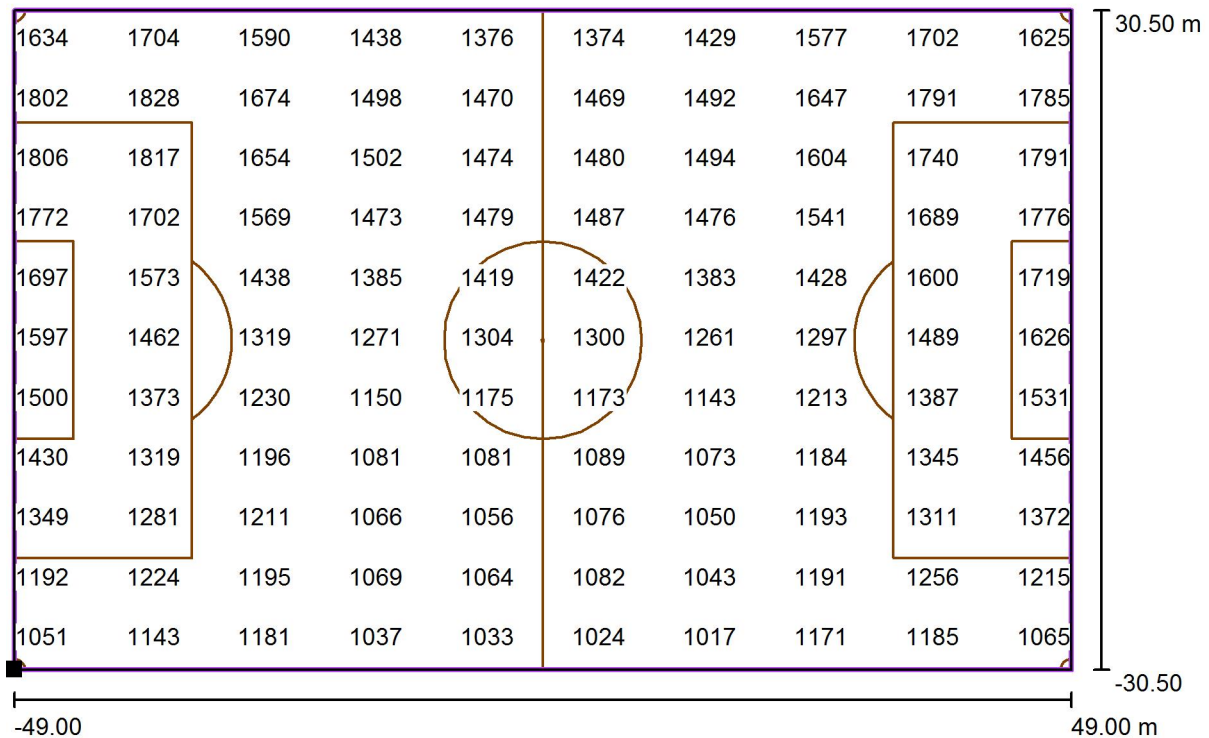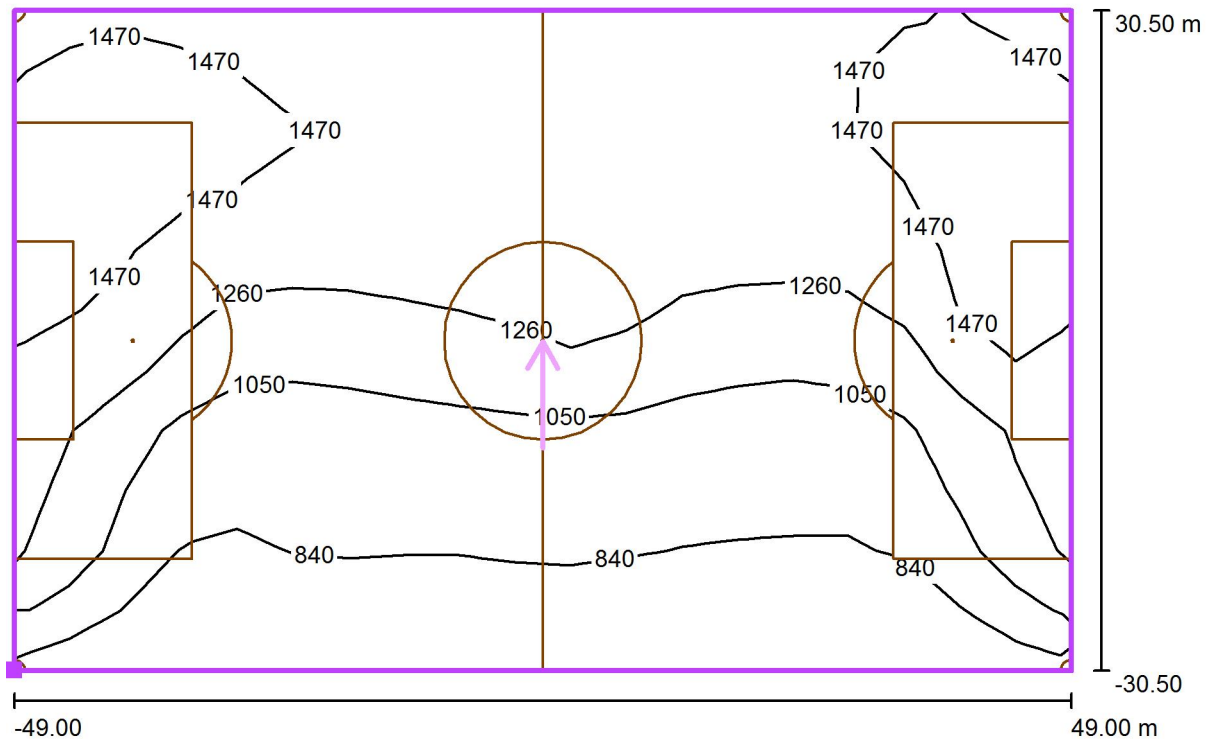
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1391	987	1879	0.71	0.53

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / **Value Chart (E, Camera)**

1634	1704	1590	1438	1376	1374	1429	1577	1702	1625	30.50 m
1802	1828	1674	1498	1470	1469	1492	1647	1791	1785	
1806	1817	1654	1502	1474	1480	1494	1604	1740	1791	
1772	1702	1569	1473	1479	1487	1476	1541	1689	1776	
1697	1573	1438	1385	1419	1422	1383	1428	1600	1719	
1597	1462	1319	1271	1304	1300	1261	1297	1489	1626	
1500	1373	1230	1150	1175	1173	1143	1213	1387	1531	
1430	1319	1196	1081	1081	1089	1073	1184	1345	1456	
1349	1281	1211	1066	1056	1076	1050	1193	1311	1372	
1192	1224	1195	1069	1064	1082	1043	1191	1256	1215	
1051	1143	1181	1037	1033	1024	1017	1171	1185	1065	-30.50

-49.00   49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
Camera Position: (52.500 m, -11.000 m, 11.000 m)

Grid: 19 x 11 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1382	968	1871	0.70	0.52

DIALux
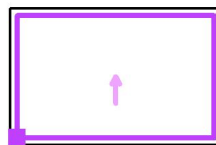
Operator
Telephone
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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Vertical, Perpendicular to sideline 1)

30.50 m

-30.50

-49.00

49.00 m

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
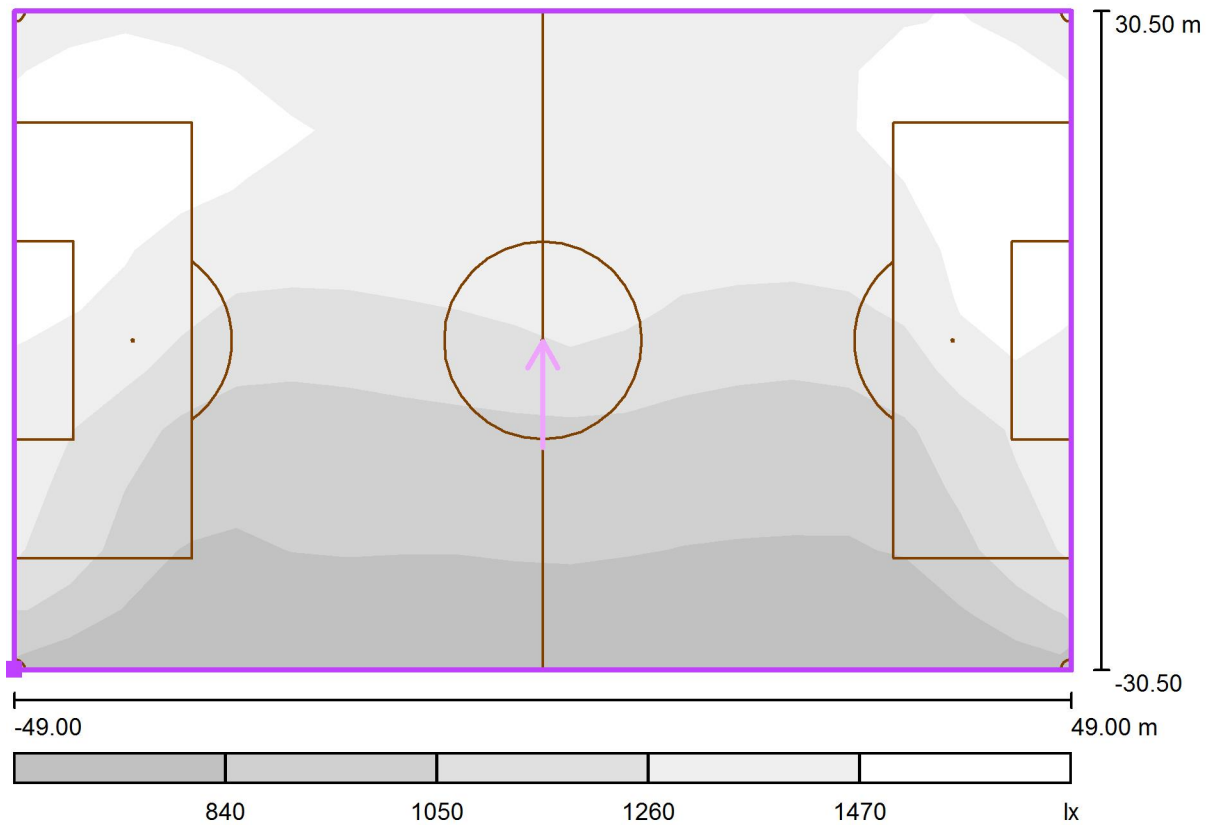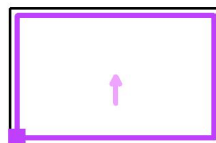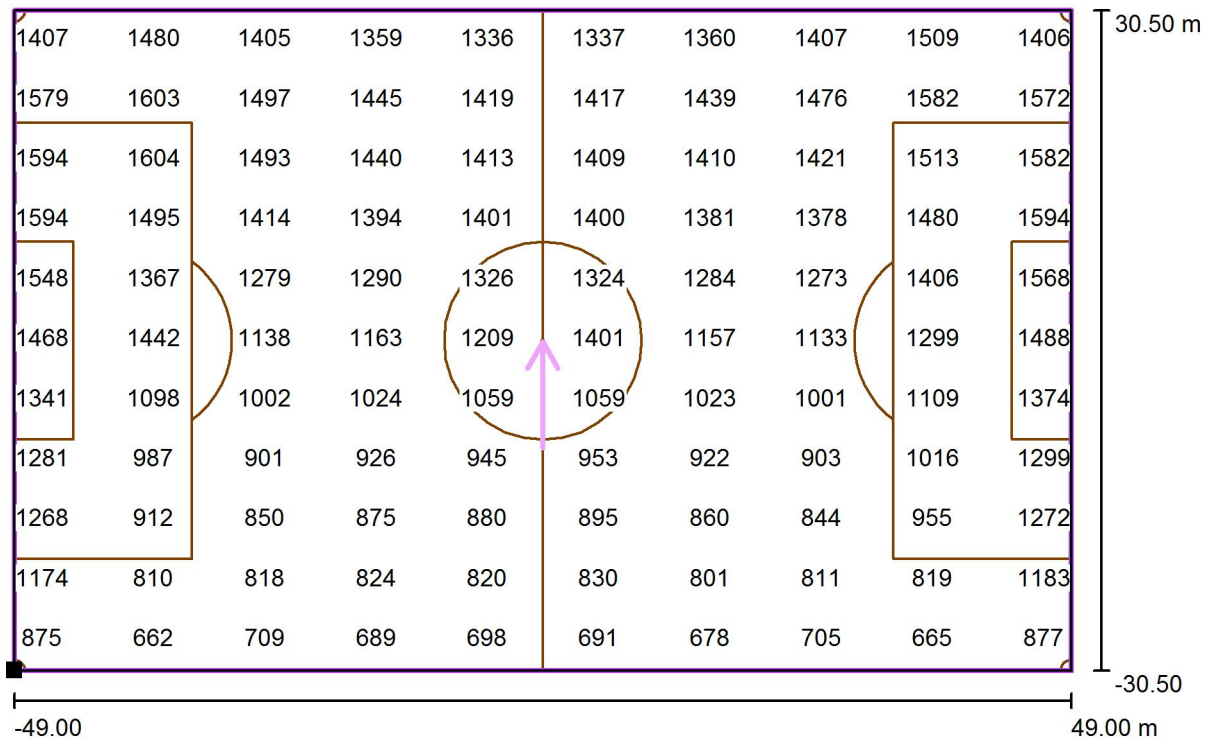
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1193	652	1682	0.55	0.39

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Vertical, Perpendicular to sideline 1)

840	1050	1260	1470	lx

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

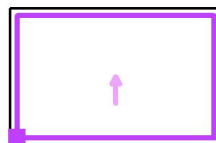| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1193	652	1682	0.55	0.39

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Value Graphics (E, Vertical, Perpendicular to sideline 1)

1407	1480	1405	1359	1336	1337	1360	1407	1509	1406
1579	1603	1497	1445	1419	1417	1439	1476	1582	1572
1594	1604	1493	1440	1413	1409	1410	1421	1513	1582
1594	1495	1414	1394	1401	1400	1381	1378	1480	1594
1548	1367	1279	1290	1326	1324	1284	1273	1406	1568
1468	1442	1138	1163	1209	1401	1157	1133	1299	1488
1341	1098	1002	1024	1059	1059	1023	1001	1109	1374
1281	987	901	926	945	953	922	903	1016	1299
1268	912	850	875	880	895	860	844	955	1272
1174	810	818	824	820	830	801	811	819	1183
875	662	709	689	698	691	678	705	665	877

30.50 m

-30.50

-49.00   49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)
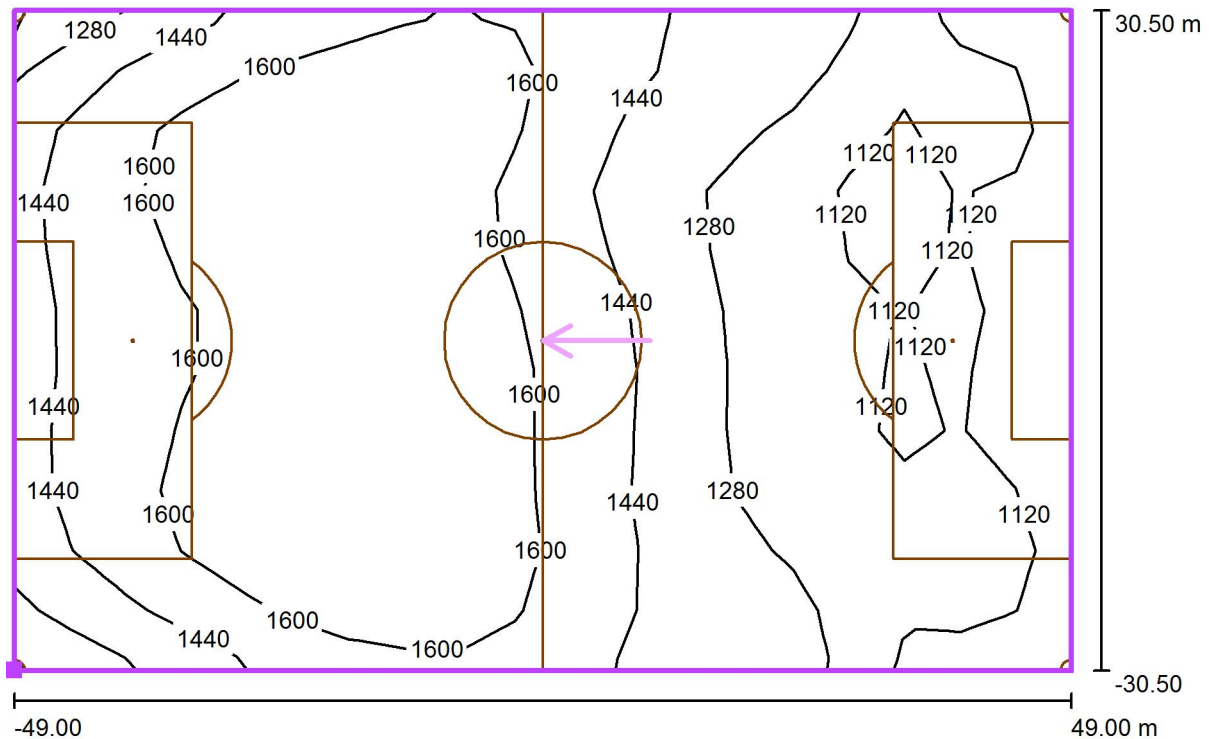
Grid: 19 x 11 Points

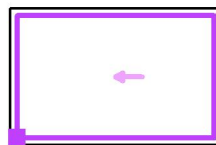| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1193	652	1682	0.55	0.39

DIALux

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Vertical, Perpendicular to sideline 2)

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
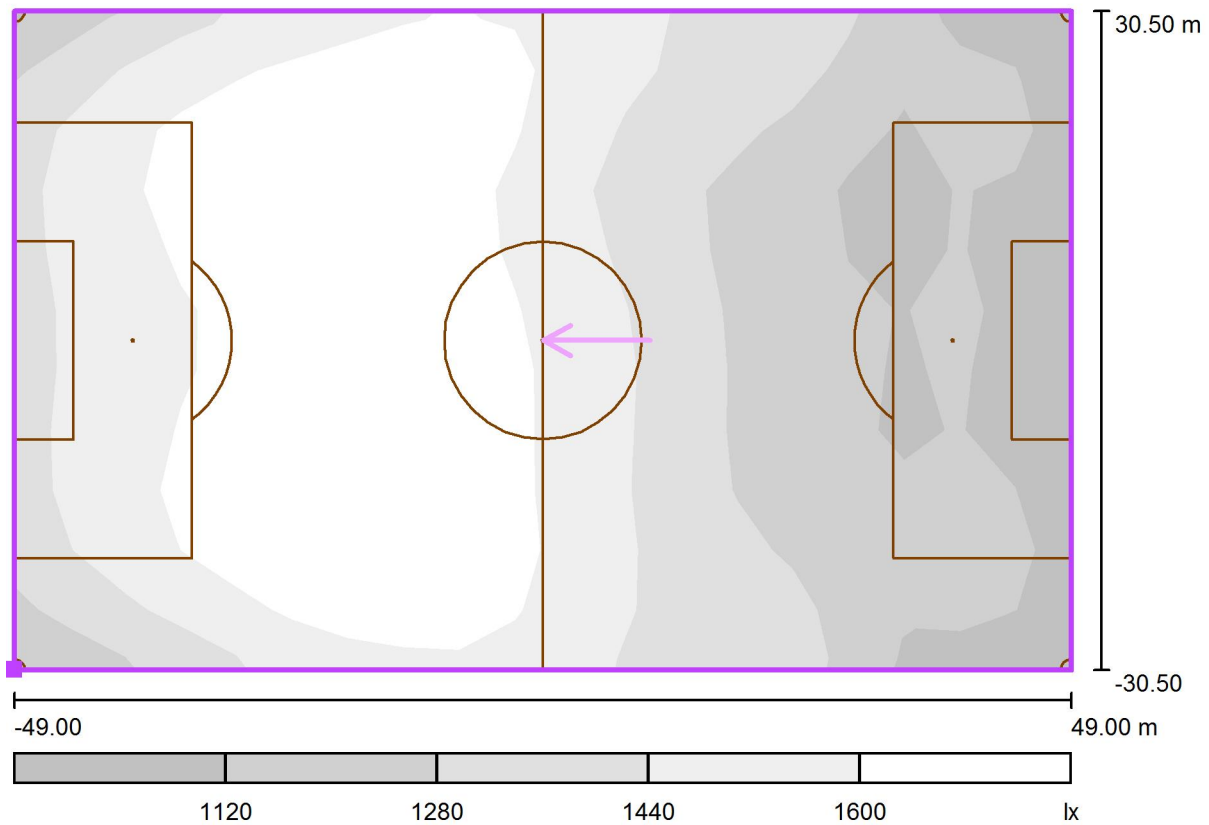
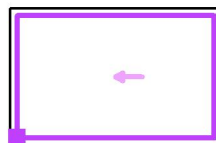| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Vertical, Perpendicular to sideline 2)

30.50 m

-30.50

-49.00

49.00 m

| | 1120 | 1280 | 1440 | 1600 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
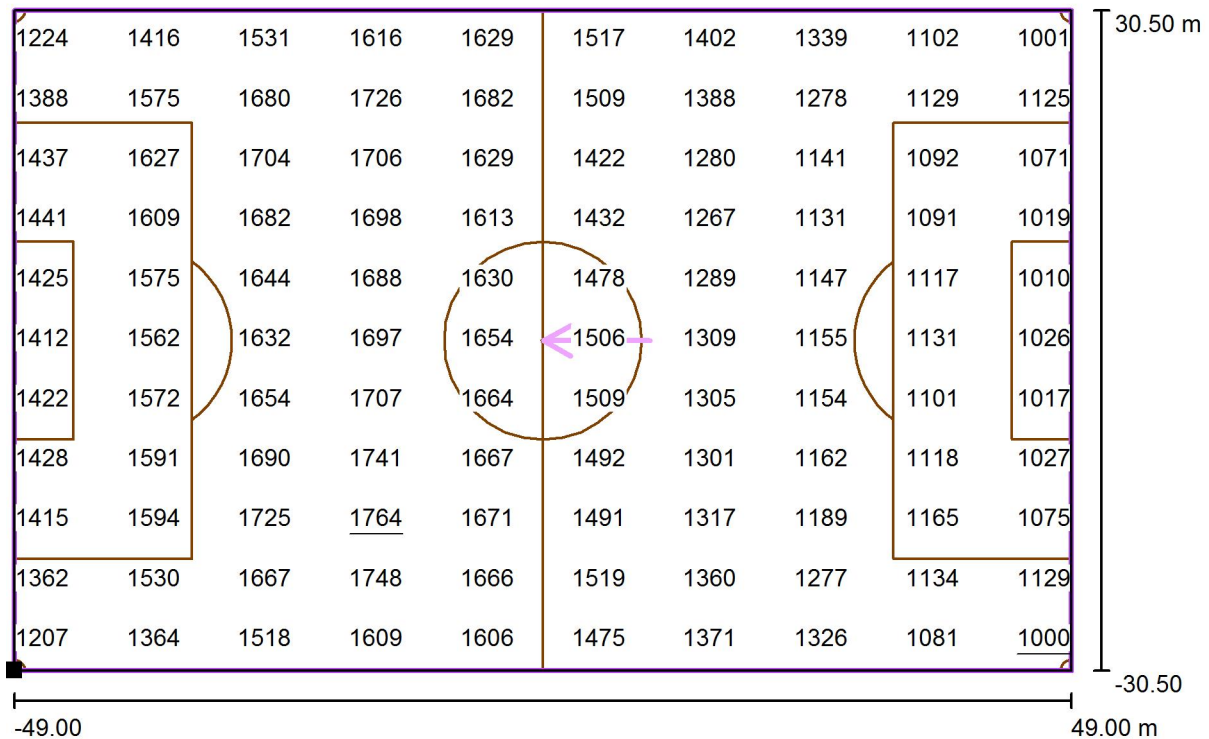
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57

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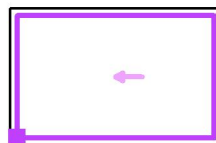
Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Value Graphics (E, Vertical, Perpendicular to sideline 2)

1224	1416	1531	1616	1629	1517	1402	1339	1102	1001
1388	1575	1680	1726	1682	1509	1388	1278	1129	1125
1437	1627	1704	1706	1629	1422	1280	1141	1092	1071
1441	1609	1682	1698	1613	1432	1267	1131	1091	1019
1425	1575	1644	1688	1630	1478	1289	1147	1117	1010
1412	1562	1632	1697	1654	1506	1309	1155	1131	1026
1422	1572	1654	1707	1664	1509	1305	1154	1101	1017
1428	1591	1690	1741	1667	1492	1301	1162	1118	1027
1415	1594	1725	1764	1671	1491	1317	1189	1165	1075
1362	1530	1667	1748	1666	1519	1360	1277	1134	1129
1207	1364	1518	1609	1606	1475	1371	1326	1081	1000

30.50 m

-30.50

-49.00   49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

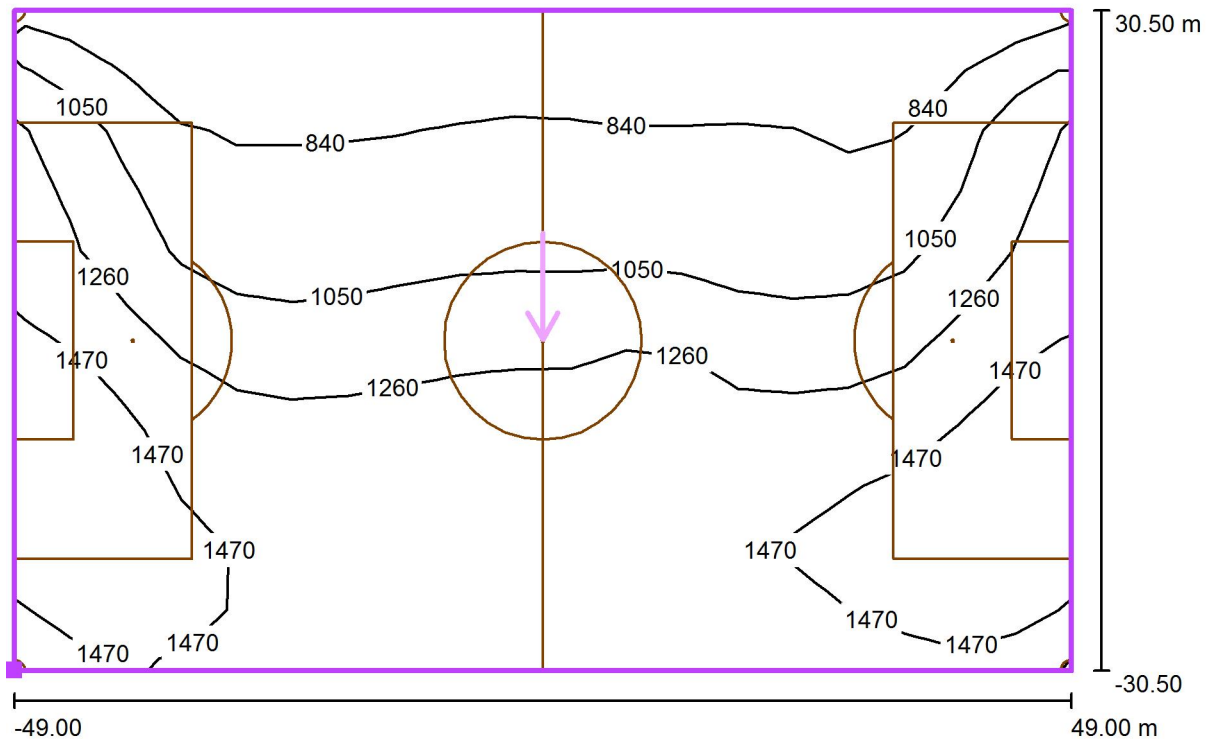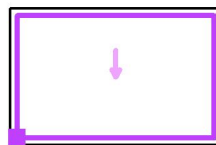| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Vertical, Perpendicular to sideline 3)

30.50 m

-30.50

-49.00

49.00 m

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

E_av [lx]	E_min [lx]	E_max [lx]	u0	E_min / E_max
1190	652	1682	0.55	0.39

DIALux

Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Vertical, Perpendicular to sideline 3)

30.50 m

-30.50

-49.00

49.00 m

| | 840 | 1050 | 1260 | 1470 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

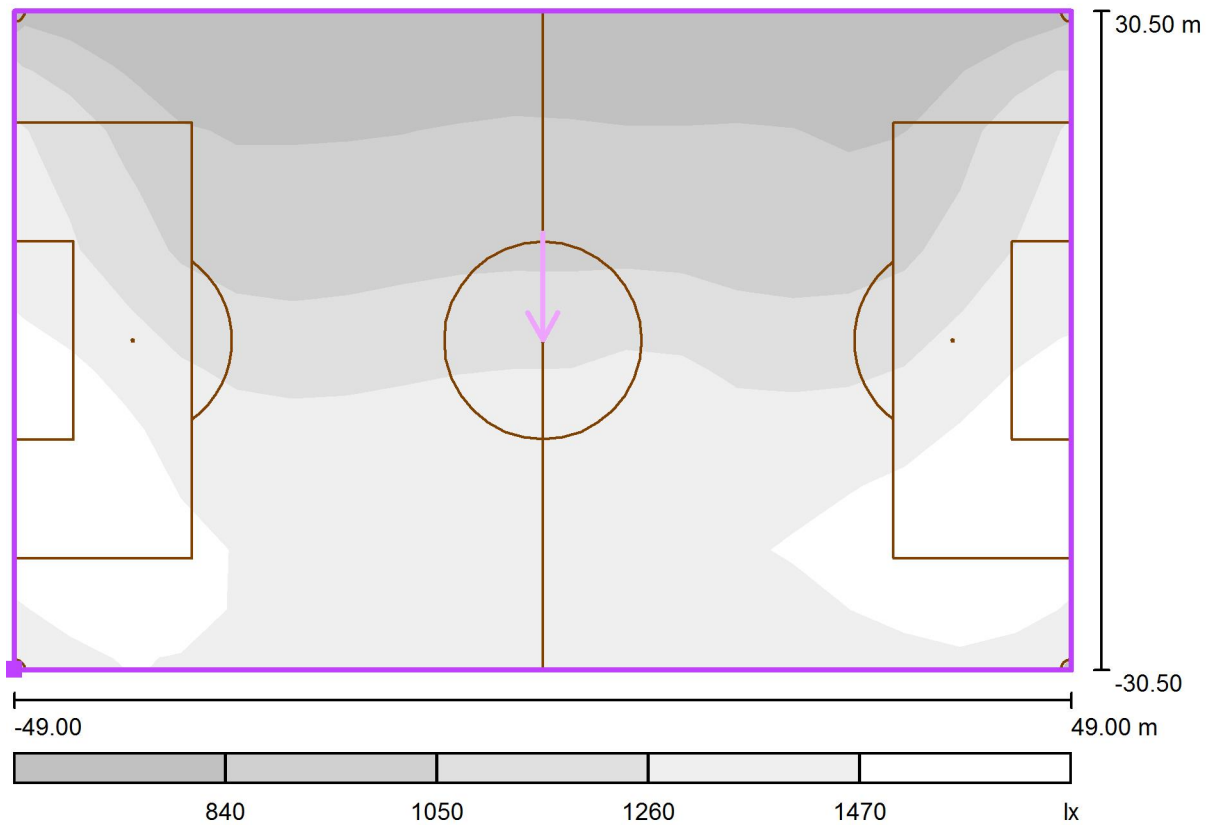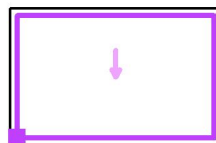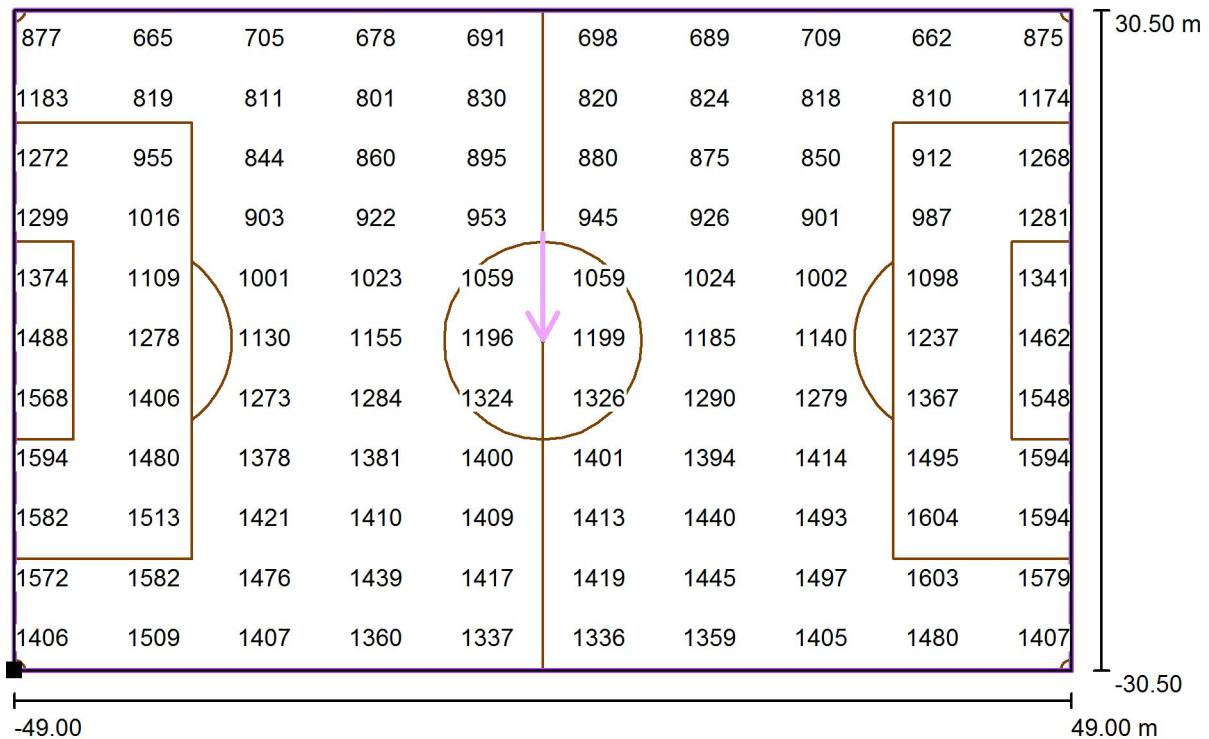| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1190	652	1682	0.55	0.39

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Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Value Graphics (E, Vertical, Perpendicular to sideline 3)

										30.50 m
877	665	705	678	691	698	689	709	662	875	
1183	819	811	801	830	820	824	818	810	1174	
1272	955	844	860	895	880	875	850	912	1268	
1299	1016	903	922	953	945	926	901	987	1281	
1374	1109	1001	1023	1059	1059	1024	1002	1098	1341	
1488	1278	1130	1155	1196	1199	1185	1140	1237	1462	
1568	1406	1273	1284	1324	1326	1290	1279	1367	1548	
1594	1480	1378	1381	1400	1401	1394	1414	1495	1594	
1582	1513	1421	1410	1409	1413	1440	1493	1604	1594	
1572	1582	1476	1439	1417	1419	1445	1497	1603	1579	
1406	1509	1407	1360	1337	1336	1359	1405	1480	1407	-30.50

-49.00   49.00 m
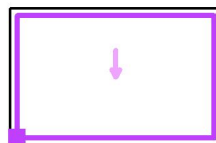
Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

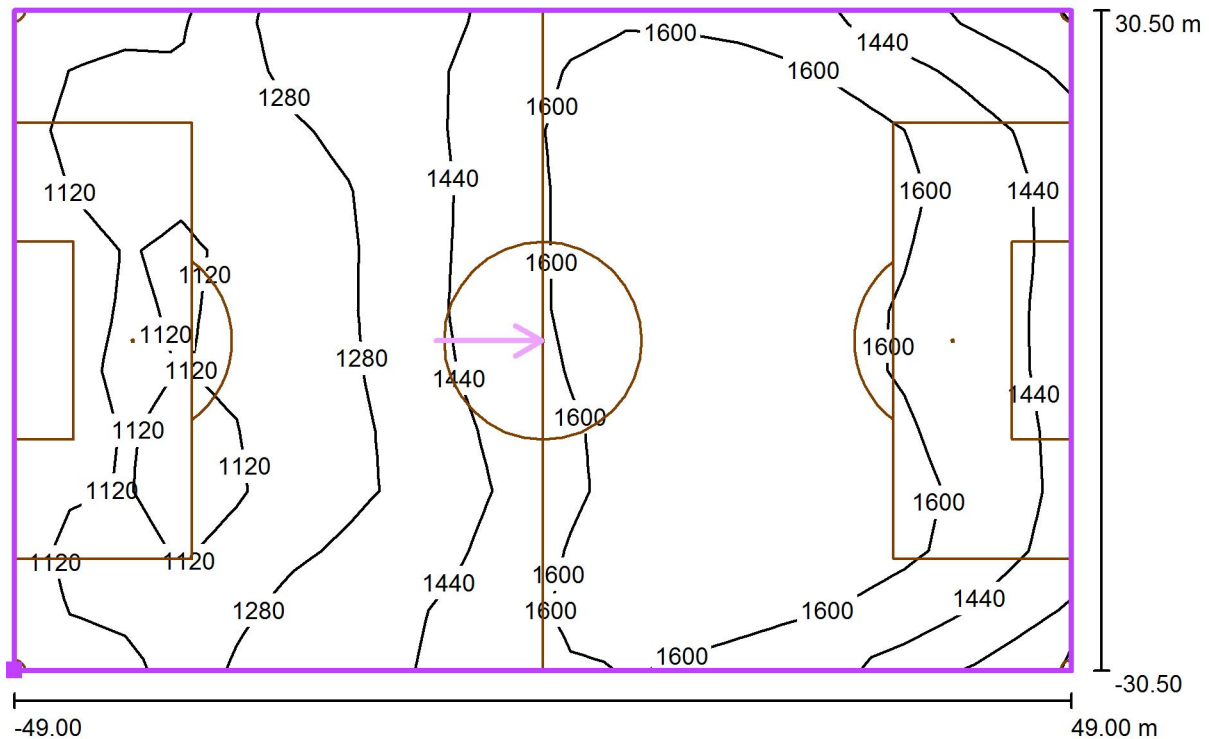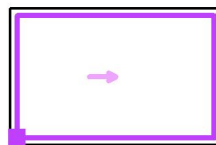| E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1190	652	1682	0.55	0.39

Operator
Telephone
Fax
e-Mail

Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Isolines (E, Vertical, Perpendicular to sideline 4)

Values in Lux, Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57

DIALux

14.09.2017

Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Vertical, Perpendicular to sideline 4)

30.50 m

-30.50

-49.00   49.00 m

| 1120 | 1280 | 1440 | 1600 | lx |

Scale 1 : 701

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
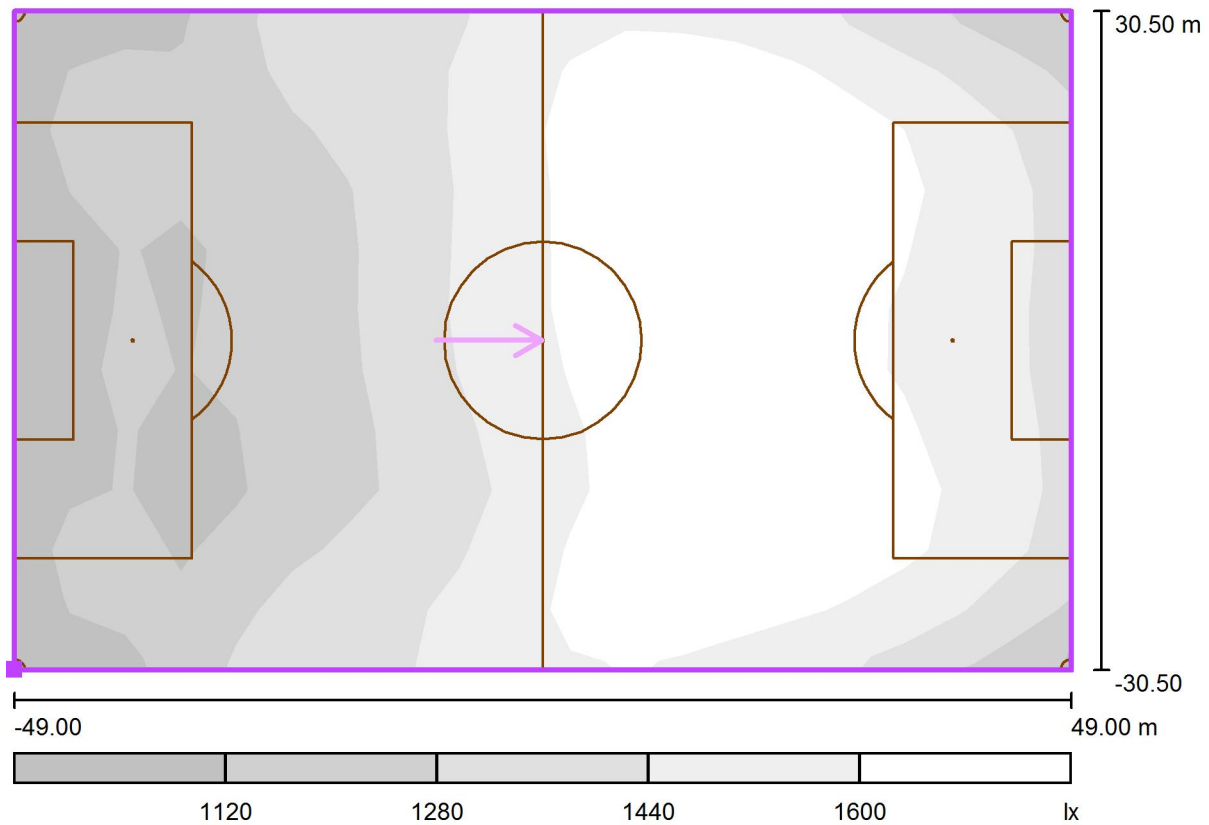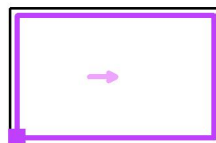
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57

DIALux
14.09.2017

Exterior Scene 1 / Soccer Field 1 Calculation Grid (PA) / Value Graphics (E, Vertical, Perpendicular to sideline 4)

1000	1081	1326	1371	1475	1606	1609	1518	1364	1207	
1129	1134	1277	1360	1519	1666	1748	1667	1530	1362	
1075	1165	1189	1317	1491	1671	1764	1725	1594	1415	
1027	1118	1162	1301	1492	1667	1741	1690	1591	1428	
1017	1101	1154	1305	1509	1664	1707	1654	1572	1422	
1026	1131	1155	1309	1506	1654	1697	1632	1562	1412	
1010	1117	1147	1289	1478	1630	1688	1644	1575	1425	
1019	1091	1131	1267	1432	1613	1698	1682	1609	1441	
1071	1092	1141	1280	1422	1629	1706	1704	1627	1437	
1125	1129	1278	1388	1509	1682	1726	1680	1575	1388	
1001	1102	1339	1402	1517	1629	1616	1531	1416	1224	

30.50 m

-30.50

-49.00

49.00 m

Values in Lux, Scale 1 : 701

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point: (3.500 m, 3.500 m, 0.000 m)

Grid: 19 x 11 Points
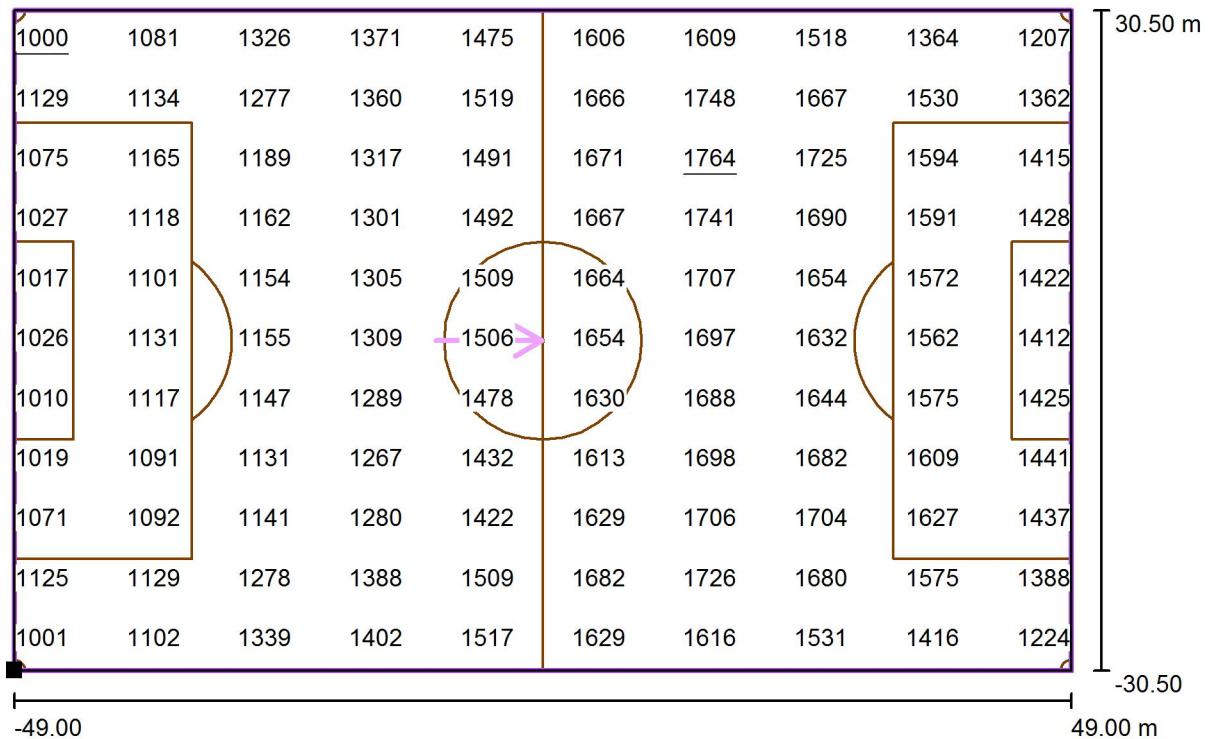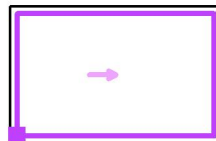
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1426	1000	1764	0.70	0.57